

CROP SCIENCE AND MANAGEMENT (B.S.PL.SC.)

Required course work includes the university requirements (see regulation J-3 (<https://catalog.uidaho.edu/general-requirements-academic-procedures/j-general-requirements-baccalaureate-degrees/#j3>)) and:

Crop Science and Management Core

Code	Title	Hours
PLSC 1020	The Science of Plants in Agriculture	3
PLSC 2050	General Botany	4
SOIL 2050	The Soil Ecosystem	3
CHEM 2750	Carbon Compounds	3
ENT 3220	General and Applied Entomology	4
PLSC 3380	Organic and Conventional Weed Management	4
PLSC 3070	Agronomy	3
PLSC 4000	Plant Science Seminar	1
PLSC 4380	Pesticides in the Environment	3
SOIL 4460	Soil Fertility	3
PLP 4150 & PLP 4160	Plant Pathology and Plant Pathology Lab	4
Select one of the following sequences:		4-5
EPPN 1540 & EPPN 1550	Microbiology and the World Around Us and Microbiology and the World Around Us: Laboratory	
BIOL 2500 & BIOL 2550	General Microbiology and General Microbiology Lab	
Select one of the following:		3
AGED 4060	Exploring International Agriculture	
AGED 4070	Global Agricultural & Life Sciences Systems	
FN 4500	Global Nutrition	
SOC/ANTH 3500	Food, Culture, and Society	
Select one of the following:		
CHEM 1101 & 1101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Laboratory	
Select one of the following:		3
ENGL 3130	Business Writing	
ENGL 3160	Environmental Writing	
ENGL 3170	Technical Writing II	
ENGL 3180	Science Writing	
Select one of the following:		3-4
MATH 1143	Precalculus I: Algebra	
MATH 1160	Survey of Calculus	
MATH 1170	Calculus I	
Select one of the following:		3
PLSC 3980	Internship	
PLSC 4020	Undergraduate Research in Plant Science	

PLSC 4990 Directed Study

Total Hours 51-53

Crop Science Emphasis

Code	Title	Hours
BIOL 1150 & 1150L	Cells and the Evolution of Life and Cells and the Evolution of Life Laboratory	4
SOIL 2060	The Soil Ecosystem Lab	1
PLSC 2070	Introduction to Biotechnology	3
STAT 2510	Statistical Methods	3
GENE 3140	General Genetics	3
PLSC 4010	Plant Physiology	3
PLSC 4460	Plant Breeding	3
Choose 10 credits from the following:		10
AGEC 2780	Farm and Agribusiness Management	
AGEC 2890	Agricultural Markets and Prices	
AGEC 3560	Agricultural and Rural Policy	
ASM 1070	Beginning Welding	
ASM 3050	Precision Agriculture	
ASM 3150	Irrigation Systems and Water Management	
PLSC 2010	Principles of Horticulture	
PLSC 3000	Plant Propagation	
PLSC 4100	Invasive Plant Biology	
PLSC 4330	Plant Tissue Culture Techniques	
PLSC 4400	Advanced Laboratory Techniques	
PLSC 4440	Forage and Grassland Management	
PLSC 4510	Vegetable Crops	
PLSC 4860	Plant Biochemistry	
PLSC 4900	Potato Science	
STAT 4310	Statistical Analysis	

Total Hours 30

Crop Management Emphasis

Code	Title	Hours
AGEC 2780	Farm and Agribusiness Management	4
AGEC 2890	Agricultural Markets and Prices	3
ASM 3050	Precision Agriculture	3
ASM 3150	Irrigation Systems and Water Management	3
BIOL 1140	Organisms and Environments	4
PLSC 4080	Small Grains and Oilseed Production	3
or PLSC 4900	Potato Science	
Choose 10 credits from the following:		10
AGEC 3560	Agricultural and Rural Policy	
ASM 1070	Beginning Welding	
GENE 3140	General Genetics	
PLSC 2010	Principles of Horticulture	
PLSC 2070	Introduction to Biotechnology	
PLSC 4010	Plant Physiology	
PLSC 4460	Plant Breeding	
PLSC 4190	Plant Community Restoration Methods	
PLSC 4440	Forage and Grassland Management	
PLSC 4510	Vegetable Crops	

PLSC 4330	Plant Tissue Culture Techniques
PLSC 4100	Invasive Plant Biology
SOIL 2060	The Soil Ecosystem Lab
STAT 2510	Statistical Methods

Total Hours **30**

Courses to total 120 credits for this degree

Crop Science Emphasis

Fall Term 1	Hours
ENGL 1101 Writing and Rhetoric I	3
PLSC 1020 The Science of Plants in Agriculture	3
(CHEM 1101 AND CHEM 1101L) OR (CHEM 1111 AND CHEM 1111L)	4
MATH 1143 OR MATH 1160 OR MATH 1170	3
Oral Communication Course	3
Hours	16
Spring Term 1	Hours
BIOL 1150 Cells and the Evolution of Life	3
BIOL 1150L Cells and the Evolution of Life Laboratory	1
ENGL 1102 Writing and Rhetoric II	3
Humanistic and Artistic Ways of Knowing Course	3
Social and Behavioral Ways of Knowing	3
Hours	13
Fall Term 2	Hours
CHEM 2750 Carbon Compounds	3
PLSC 2070 Introduction to Biotechnology	3
SOIL 2050 The Soil Ecosystem	3
SOIL 2060 The Soil Ecosystem Lab	1
STAT 2510 Statistical Methods	3
Social and Behavioral Ways of Knowing	3
Hours	16
Spring Term 2	Hours
EPPN 1540 Microbiology and the World Around Us	3
EPPN 1550 Microbiology and the World Around Us: Laboratory	1
PLSC 2050 General Botany	4
ENGL 3130 OR ENGL 3160 OR ENGL 3170 OR ENGL 3180	3
Humanistic and Artistic Ways of Knowing Course	3
Crop Science, Major Elective Course	3
Hours	17
Fall Term 3	Hours
ENT 3220 General and Applied Entomology	4
PLP 4150 Plant Pathology	3
PLP 4160 Plant Pathology Lab	1
PLSC 3380 Organic and Conventional Weed Management	4
AGED 4060 OR AGED 4070 OR FN 4500 OR SOC 3500 OR ANTH 3500	3
Hours	15
Spring Term 3	Hours
GENE 3140 General Genetics	3
PLSC 3070 Agronomy	3
PLSC 4380 Pesticides in the Environment	3
Crop Science Elective	3
Elective Course	3
Hours	15
Fall Term 4	Hours
PLSC 4000 Plant Science Seminar	1
PLSC 3980 OR PLSC 4020 OR PLSC 4990	3
Crop Science Elective	3
Crop Science Elective	3
International Course	3
Hours	13

Spring Term 4

PLSC 4010 Plant Physiology	3
PLSC 4460 Plant Breeding	3
SOIL 4460 Soil Fertility	3
American Experience Course	3
Crop Science Elective	3
Hours	15
Total Hours	120

Crop Management Emphasis

Fall Term 1	Hours
ENGL 1101 Writing and Rhetoric I	3
PLSC 1020 The Science of Plants in Agriculture	3
(CHEM 1101 AND CHEM 1101L) OR (CHEM 1111 AND CHEM 1111L)	4
MATH 1143 OR MATH 1160 OR MATH 1170	3
Oral Communication Course	3
Hours	16
Spring Term 1	Hours
BIOL 1140 Organisms and Environments	4
ENGL 1102 Writing and Rhetoric II	3
EPPN 1540 Microbiology and the World Around Us	3
EPPN 1550 Microbiology and the World Around Us: Laboratory	1
Social and Behavioral Ways of Knowing	3
Hours	14
Fall Term 2	Hours
AGEC 2780 Farm and Agribusiness Management	4
CHEM 2750 Carbon Compounds	3
SOIL 2050 The Soil Ecosystem	3
Humanistic and Artistic Ways of Knowing Course	3
Social and Behavioral Ways of Knowing	3
Hours	16
Spring Term 2	Hours
AGEC 2890 Agricultural Markets and Prices	3
PLSC 2050 General Botany	4
PLSC 3070 Agronomy	3
ENGL 3130 OR ENGL 3160 OR ENGL 3170 OR ENGL 3180	3
Humanistic and Artistic Ways of Knowing Course	3
Hours	16
Fall Term 3	Hours
ASM 3050 Precision Agriculture	3
ASM 3150 Irrigation Systems and Water Management	3
PLSC 3380 Organic and Conventional Weed Management	4
Crop Management Elective	3
Hours	13
Spring Term 3	Hours
ENT 3220 General and Applied Entomology	4
PLSC 4900 Potato Science or PLSC 4080 or Small Grains and Oilseed Production	3
AGED 4060 OR AGED 4070 OR FN 4500 OR SOC 3500 OR ANTH 3500	3
Crop Management, Major Elective	3
International Course	3
Hours	16
Fall Term 4	Hours
PLSC 4000 Plant Science Seminar	1
PLP 4150 Plant Pathology	3
PLP 4160 Plant Pathology Lab	1
PLSC 3980 OR PLSC 4020 OR PLSC 4990	3
Crop Management Elective	3
American Experience Course	3
Hours	14

Spring Term 4

SOIL 4460	Soil Fertility	3
PLSC 4380	Pesticides in the Environment	3
Crop Management Elective		3
Crop Management Elective		3
Crop Management Elective		3
Hours		15
Total Hours		120

The degree map is a guide for the timely completion of your curricular requirements. Your academic advisor or department may be contacted for assistance in interpreting this map. This map is not reflective of your academic history or transcript, and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding your official degree/certificate completion status.

1. Students will be able to recognize and apply scientific principles and concepts to production or management of agronomic crops and different field crop production systems.
2. Students will be able to present and explain important concepts for field crop production and will be able to recognize and analyze various procedures for producing various agronomic crops.
3. Students will gain experiential practice in applying their knowledge of agronomy and field crop production through internships or laboratory research experiences and participation in student clubs/organizations.
4. Students will be able to communicate effectively, verbally and in writing, problems, analyses, and solutions to agronomic problems to a variety of audiences.